

**End Over End Shaker**

**BS 1377:2 EN 1997-2**

**DESCRIPTION:**

The Particle density or specific gravity is a measure of the actual particles which make up the soil mass and is defined as the ratio of the mass of the particles to the mass of the water they displace.

This method is suitable for soils containing up to 10% of particles retained on a 37.5 mm BS sieve.



**TECHNICAL SPECIFICATIONS:**

Weight (approx.)	Dimensions
20 kg	900x700x600 mm

**ORDERING:**

**SL 0741**  
End Over End Shaker 230V  
50 Hz, 1 pf

**ACCESSORIES:**

**SL 0741-1**  
Gas jar, 1 Ltr. Capacity  
complete with rubber bung.

**Sedimentation Hydrometer**

**EN 933-8; ASTM D2419; AASHTO T176**

**TECHNICAL SPECIFICATIONS:**

Overall Weight (approx.)	Dimensions
25 kg	600x300x380 mm



**DESCRIPTION:**

The Sedimentation Hydrometer test set is used to determine particle size distribution in soil from the coarse sand size down to the smallest fractions.

In this method, the sample is from organic matter after which it is dried and weighed. Next, it is suspended in water and sieved.

The solution that passes through the sieve is transferred to a measuring cylinder with water.

Hydrometer readings are taken after regular intervals. Sedimentation time and hydrometer readings are used to determine the grain sizes according to the stoke's Law.

Sedimentation Hydrometer test set consisting of soil dispersion mixer, hydrometer bath, 1pcs. hydrometer 151H or 152H, sodium hexametaphosphate 1 kg, 6 pcs. 1000 ml sedimentation cylinder, heater, circulation pump, rubber stopper and 600 ml beaker.

**ORDERING:**

**SL 0742**  
Sedimentation Hydrometer  
test set

**ACCESSORIES:**

- SL 0742-1**  
Constant Temperature Bath
- SL 0742-2**  
Sodium Hexametaphosphate  
500 g
- SL 0742-3**  
Hydrometer Sedimentation  
Cylinder 1000 ml
- SL 0742-4**  
Mechanical Analysis Stirrer
- SL 0742-5**  
Soil Hydrometer BS/EN,  
graduated 0.0995 to 1.030  
g/ml.
- SL 0742-6**  
Soil Hydrometer ASTM/  
AASHTO(152H) graduated -5  
to +60 g/litre.
- SL 0742-7**  
Soil Hydrometer ASTM D422  
(151H) graduated 0.0995 to  
1.038 g/ml.+60 g/litre.